

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Reclamation District No. 0563 Tyler Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough (Tyler Island)			Left	12.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/25/2014 - 03/26/2014			
DWR Inspector	Richard Willoughby			
Accompanied By	Steve Mello RD 563			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	58
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0563_01_s _ 2012_58				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	101
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0563_01_s _ 2013_101				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	102
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0563_01_s _ 2013_102				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	143
LM End	12.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0563_01_s _ 2014_143				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	144
LM End	12.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0563_01_s _ 2014_144				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.04	Rating **	M	Issue No.	81
LM End	0.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.234936 °	38.234936 °
				-121.517528 °	-121.517528 °
DWR ID	DWR_RD0563_01_s _ 2014_81				
Action/Comments					
Inspector Comments: FS_ID:14864					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine disposition of pipe. Was it abandoned properly?					
FIELD_STRUCT_DESC: 10-inch pipe through levee unknown feet below crown. 36-inch concrete stand pipe at landward toe. Originally included in the 1954 O&M manual. (Unable to located pipe 6/11/2013). FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1130.jpg



36-inch concrete standpipe on LS toe.

LM Start	0.10	Rating **	A/W	Issue No.	1
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234323 °	38.234216 °
				-121.518200 °	-121.518324 °
DWR ID	DWR_RD0563_01_s _ 2012_1				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.12	Rating **	M	Issue No.	59
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234113 °	38.234113 °
				-121.518467 °	-121.518467 °
DWR ID	DWR_RD0563_01_s _ 2013_59				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.13	Rating **	A/W	Issue No.	4
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234018 °	38.234018 °
				-121.518547 °	-121.518547 °
DWR ID	DWR_RD0563_01_s _ 2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140318_786.jpg



Looking southwest at overgrown tree on waterside slope.

LM Start	0.14	Rating **	M	Issue No.	28
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233910 °	38.233655 °
				-121.518722 °	-121.519000 °
DWR ID	DWR_RD0563_01_s _ 2012_28				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : richard_s_20140318_812.jpg



Looking southeast at landscaping on landside slope and toe.

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	28 (cont)	
LM End	0.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.233910 °	38.233655 °	
				-121.518722 °	-121.519000 °	
DWR ID	DWR_RD0563_01_s_2012_28					
Action/Comments						
Trim trees to at least five feet above ground level.						

Photo 2 of 2 : richard_s_20140318_813.jpg



Looking east at sprinklers on landside slope.

LM Start	0.17	Rating **	M	Issue No.	10
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233572 °	38.233572 °
				-121.519083 °	-121.519083 °
DWR ID	DWR_RD0563_01_f_2013_10				
Action/Comments					
Building Inspector Comments: Tool shed and fire pit on landward slope and toe.					

Photo 1 of 3 : richard_s_20140318_793.jpg



Looking east at fire pit on landward slope.

LM Start	0.17	Rating **	M	Issue No.	10 (cont)
LM End	0.17	Issue Type +	En	Location *	LS

Photo 2 of 3 : richard_s_20140318_794.jpg



Looking southeast at storage shed at landward toe.

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.17	Rating **	M	Issue No.	10 (cont)	
LM End	0.17	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.233572 °	38.233572 °	
				-121.519083 °	-121.519083 °	
DWR ID	DWR_RD0563_01_f_2013_10					
Action/Comments						
Building						

Photo 3 of 3 : richard_s_20140318_795.jpg



Looking southeast at fire pit on landward slope.

LM Start	0.19	Rating **	M	Issue No.	32
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233315 °	38.233315 °
				-121.519360 °	-121.519360 °
DWR ID	DWR_RD0563_01_s_2012_32				
Action/Comments					
Tree or limb Inspector Comments: Tree fallen across waterward slope.					

Photo 1 of 1 : richard_s_20140318_814.jpg



Looking south (downstream) at fallen tree limb on waterside slope.

LM Start	0.20	Rating **	A/W	Issue No.	2
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233126 °	38.233126 °
				-121.519525 °	-121.519525 °
DWR ID	DWR_RD0563_01_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.21	Rating **	A/W	Issue No.	18
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.232967 °	38.232967 °
				-121.519727 °	-121.519727 °
DWR ID	DWR_RD0563_01_s _ 2012_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140318_804.jpg



Looking southwest at overgrown trees on landside slope.

LM Start	0.22	Rating **	M	Issue No.	108
LM End	0.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.233027 °	38.233027 °
				-121.519631 °	-121.519631 °
DWR ID	DWR_RD0563_01_s _ 2014_108				
Action/Comments					
Inspector Comments: FS_ID:14865 EP_NO: 3448 Repair Type: Crossing Status: UCIP Comments: Sign on waterside slope should be cleared of vegetation. FIELD_STRUCT_DESC: 4.5-inch gas line through levee 4.0 feet below crown and across channel (Permit No. 3448, 1961). Large warning sign on WS slope. FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1132.jpg



Gasline marker on LS shoulder.

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WS : Water Side
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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.35	Rating **	M	Issue No.	55
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.226522 °	38.227157 °
				-121.529094 °	-121.530432 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013: Erosion pockets filled with an insufficient amounts of revetment. [2013 Site ID: GEO_11-0_L]					

Photo 1 of 1 : USACE2013A_GEO_11-0_L_6.jpg



USACE 2013 Photo #1

LM Start	0.41	Rating **	M	Issue No.	16
LM End	0.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.230841 °	38.230841 °
				-121.521898 °	-121.521898 °
DWR ID	DWR_RD0563_01_f_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : richard_s_20140318_801.jpg



Looking southwest at slope damage caused by vehicle traffic.

* Location
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.45	Rating **	M	Issue No.	26
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.230460 °	38.230460 °
				-121.522324 °	-121.522324 °
DWR ID	DWR_RD0563_01_f_2013_26				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damage due to fishermen vehicle traffic.					

Photo 1 of 1 : richard_s_20140318_809.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.48	Rating **	M	Issue No.	109
LM End	0.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.230185 °	38.230185 °
				-121.522631 °	-121.522631 °
DWR ID	DWR_RD0563_01_s_2014_109				
Action/Comments					
Inspector Comments: FS_ID:14866					
EP_NO: 11218					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 5.0 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch CMP riser on the waterward shoulder. 1" air and vacuum valve and a 15' tall by 36" diameter concrete standpipe at the LS toe (ABO No. 11218, 1975). Originally included in the 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1136.jpg



Pipe and pier on WS.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.59	Rating **	M	Issue No.	34
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228948 °	38.228948 °
				-121.523904 °	-121.523904 °
DWR ID	DWR_RD0563_01_f_2013_34				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : richard_s_20140318_816.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.68	Rating **	U	Issue No.	50
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228033 °	38.227777 °
				-121.525268 °	-121.525627 °
DWR ID	DWR_RD0563_01_s_2012_50				
Action/Comments					
Landscaping					

Photo 1 of 2 : richard_s_20140318_862.jpg



Looking southeast at dense landscaping on landside slope.

LM Start	0.68	Rating **	U	Issue No.	50 (cont)
LM End	0.71	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140318_863.jpg



Looking northwest at dense landscaping on landside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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Levee Inspections**

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Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	62
LM End	0.74	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.227328 °	38.227328 °
				-121.525872 °	-121.525872 °
DWR ID	DWR_RD0563_01_s _ 2013_62				
Action/Comments					
Pipe					

No Photos

LM Start	0.75	Rating **	M	Issue No.	110
LM End	0.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227262 °	38.227262 °
				-121.525844 °	-121.525844 °
DWR ID	DWR_RD0563_01_s _ 2014_110				
Action/Comments					
Inspector Comments: FS_ID:14867					
EP_NO: 11203					
Repair Type:					
Crossing Status:					
UCIP Comments: Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee 5.0 feet below the crown. Slant pump on bank. Siphon breaker and switch box on waterward slope. Service pole on landward slope. (ABO No. 11203, 1971)					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1139.jpg



Slant pump on WS berm.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.80	Rating **	A/W	Issue No.	3
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226370 °	38.226370 °
				-121.525912 °	-121.525912 °
DWR ID	DWR_RD0563_01_s _ 2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : richard_s_20140318_784.jpg



Looking southwest at overgrown trees on waterside slope.

LM Start	0.80	Rating **	A/W	Issue No.	3 (cont)
LM End	0.80	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : richard_s_20140318_785.jpg



Looking south at trimmed trees on waterward slope. (Spring 2013)

LM Start	0.86	Rating **	M	Issue No.	61
LM End	0.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_RD0563_01_f_2012_61				
Action/Comments					
Landscaping					

Photo 1 of 1 : richard_s_20140318_892.jpg



Looking northwest at cactus along landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

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Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.86	Rating **	M	Issue No.	9
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225685 °	38.225685 °
				-121.526288 °	-121.526288 °
DWR ID	DWR_RD0563_01_s _ 2012_9				
Action/Comments					
Prunings					
Inspector Comments: Prunings on waterside slope should be burned or removed.					

Photo 1 of 2 : richard_s_20140318_792.jpg



Looking southwest at tree limbs on waterside slope.

LM Start	0.86	Rating **	M	Issue No.	9 (cont)
LM End	0.86	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : richard_s_20140328_464.jpg



Looking northeast at tree limbs on waterward slope.

LM Start	0.95	Rating **	M	Issue No.	13
LM End	0.95	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225575 °	38.225575 °
				-121.527815 °	-121.527815 °
DWR ID	DWR_RD0563_01_s _ 2012_13				
Action/Comments					
Fence					

Photo 1 of 1 : richard_s_20140318_799.jpg



Looking south at pump shed on waterside slope and gate across levee crown.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.95	Rating **	M	Issue No.	111
LM End	0.95	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225594 °	38.225594 °
				-121.527812 °	-121.527812 °
DWR ID	DWR_RD0563_01_s_2014_111				
Action/Comments					
Inspector Comments: FS_ID:14870					
EP_NO: 11210					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe does not have sufficient cover at crown.					
FIELD_STRUCT_DESC: 1 of 2: 6-inch pipe through the levee 3-inches below the crown. Pump and gate valve in pump house on waterward slope. Service pole on landward slope. (ABO No. 11210, 1971). 1-inch PVC electrical conduit through levee at same location. Originally included in 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1143.jpg



Pumphouse on WS shoulder.

LM Start	0.98	Rating **	M	Issue No.	937
LM End	0.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225813 °	38.225813 °
				-121.528198 °	-121.528198 °
DWR ID	DWR_RD0563_01_s_2012_937				
Action/Comments					
Pipe					
Inspector Comments: Abandoned pipe should be removed.					

Photo 1 of 2 : richard_s_20140318_941.jpg



Looking southwest at pipe on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	0.98	Rating **	M	Issue No.	937 (cont)
LM End	0.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225813 °	38.225813 °
				-121.528198 °	-121.528198 °
DWR ID	DWR_RD0563_01_s _ 2012_937				
Action/Comments					
Pipe					
Inspector Comments: Abandoned pipe should be removed.					

Photo 2 of 2 : richard_s_20140318_942.jpg



Looking southwest at abandoned pipe on landside slope.

LM Start	0.98	Rating **	M	Issue No.	112
LM End	0.98	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225829 °	38.225829 °
				-121.528200 °	-121.528200 °
DWR ID	DWR_RD0563_01_s _ 2014_112				
Action/Comments					
Inspector Comments: FS_ID:14872					
EP_NO: 11210					
Repair Type:					
Crossing Status:					
UCIP Comments: Flap gate rusted in closed position.					
FIELD_STRUCT_DESC: 2 of 2: 8-inch pipe through the levee 3.0 feet below the crown. Flap gate on waterward end. Landward end open (ABO No. 11210, 1971).					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1149.jpg



Pipe open on LS slope.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.12	Rating **	M	Issue No.	54
LM End	1.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226933 °	38.227037 °
				-121.530307 °	-121.530850 °
DWR ID	DWR_RD0563_01_s _ 2012_54				
Action/Comments					
Landscaping					

Photo 1 of 1 : richard_s_20140318_871.jpg



Looking east at landscaping on landside slope.

LM Start	1.20	Rating **	M	Issue No.	140
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				
DWR ID	DWR_RD0563_01_s _ 2014_140				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.21	Rating **	M	Issue No.	69
LM End	1.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226748 °	38.226748 °
				-121.531756 °	-121.531756 °
DWR ID	DWR_RD0563_01_f _ 2013_69				
Action/Comments					
Prunings					
Inspector Comments: Pruning pile should be burned or removed from waterward slope.					

Photo 1 of 1 : richard_s_20140328_465.jpg



Looking west at pruning pile on waterward slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.21	Rating **	M	Issue No.	63
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_f_2012_63				
Action/Comments					
Firewood					
Inspector Comments: Firewood at landside toe.					

Photo 1 of 2 : richard_s_20140318_893.jpg



Looking southwest at firewood at landside toe.

LM Start	1.21	Rating **	M	Issue No.	63 (cont)
LM End	1.21	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140318_894.jpg



Looking east at firewood stacked at landward toe.

LM Start	1.23	Rating **	A/W	Issue No.	65
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226558 °	38.226155 °
				-121.532088 °	-121.532427 °
DWR ID	DWR_RD0563_01_s_2013_65				
Action/Comments					
Firewood					

Photo 1 of 1 : richard_s_20140318_896.jpg



Looking south at firewood piled on landward and waterward shoulder.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	5
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226326 °	38.226326 °
				-121.532298 °	-121.532298 °
DWR ID	DWR_RD0563_01_s _ 2012_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140328_466.jpg



Looking south at untrimmed trees on landward slope.

LM Start	1.25	Rating **	A/W	Issue No.	103
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				o
					o
DWR ID	DWR_RD0563_01_s _ 2013_103				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree branches on landward slope.					

Photo 1 of 1 : richard_s_20140318_938.jpg



Looking northeast at broken tree branch on landward slope.

LM Start	1.25	Rating **	M	Issue No.	57
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226345 °	38.226345 °
				-121.532332 °	-121.532332 °
DWR ID	DWR_RD0563_01_s _ 2012_57				
Action/Comments					
Building Inspector Comments: Landowner is stacking firewood and other items on landside slope and toe.					

Photo 1 of 2 : richard_s_20140318_878.jpg



Looking at a shed at landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	57 (cont)
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226345 °	38.226345 °
				-121.532332 °	-121.532332 °
DWR ID	DWR_RD0563_01_s _ 2012_57				
Action/Comments					
Building Inspector Comments: Landowner is stacking firewood and other items on landside slope and toe.					

Photo 2 of 2 : richard_s_20140318_879.jpg



Looking east at firewood and other materials stored on landside slope and toe.

LM Start	1.30	Rating **	M	Issue No.	64
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225730 °	38.225730 °
				-121.532824 °	-121.532824 °
DWR ID	DWR_RD0563_01_f _ 2012_64				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trees located at landside toe.					

Photo 1 of 1 : richard_s_20140318_895.jpg



Looking southeast at fruit trees on landside toe.

LM Start	1.35	Rating **	M	Issue No.	79
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225177 °	38.225177 °
				-121.533285 °	-121.533285 °
DWR ID	DWR_RD0563_01_f _ 2013_79				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.37	Rating **	M	Issue No.	141
LM End	1.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_s _ 2014_141				
Action/Comments					
Ramp					
Inspector Comments: Landowner installed ramp without Board permit.					

Photo 1 of 2 : richard_s_20140328_467.jpg



Looking east at ramp on landward slope.

LM Start	1.37	Rating **	M	Issue No.	141 (cont)
LM End	1.37	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140328_468.jpg



Looking northeast at ramp on landward slope.

LM Start	1.39	Rating **	A/W	Issue No.	7
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224690 °	38.224690 °
				-121.533731 °	-121.533731 °
DWR ID	DWR_RD0563_01_s _ 2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.42	Rating **	A/W	Issue No.	19
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224367 °	38.224367 °
				-121.534165 °	-121.534165 °
DWR ID	DWR_RD0563_01_s _ 2012_19				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree along waterside slope.					

Photo 1 of 1 : richard_s_20140318_805.jpg



Looking south at a downed tree on waterside slope.

LM Start	1.43	Rating **	M	Issue No.	86
LM End	1.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224351 °	38.224351 °
				-121.534209 °	-121.534209 °
DWR ID	DWR_RD0563_01_f _ 2013_86				
Action/Comments					
Landscaping					

Photo 1 of 2 : richard_s_20140318_923.jpg



Looking east at cactus at the landward toe.

LM Start	1.43	Rating **	M	Issue No.	86 (cont)
LM End	1.43	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140318_924.jpg



Looking southeast at dense landscaping on the landward slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.43	Rating **	U	Issue No.	8
LM End	1.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224315 °	38.224315 °
				-121.534288 °	-121.534288 °
DWR ID	DWR_RD0563_01_s_2012_8				
Action/Comments					
Building					

Photo 1 of 3 : richard_s_20140318_789.jpg



Looking east at landscaping and animal containers on the landside slope and toe.

LM Start	1.43	Rating **	U	Issue No.	8 (cont)
LM End	1.43	Issue Type +	En	Location *	LS

Photo 2 of 3 : richard_s_20140318_790.jpg



Looking southeast at a tool shed at the landside toe.

LM Start	1.43	Rating **	U	Issue No.	8 (cont)
LM End	1.43	Issue Type +	En	Location *	LS

Photo 3 of 3 : richard_s_20140318_791.jpg



Looking northeast at a tool shed on the landward toe.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.43	Rating **	M	Issue No.	113
LM End	1.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.224301 °	38.224301 °
				-121.534287 °	-121.534287 °
DWR ID	DWR_RD0563_01_s _ 2014_113				
Action/Comments					
Inspector Comments: FS_ID:14873					

Photo 1 of 1 : UCIP_1150.jpg



Pipe goes to pumphouse on WS slope.

LM Start	1.44	Rating **	M	Issue No.	6
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224280 °	38.224000 °
				-121.534377 °	-121.535038 °
DWR ID	DWR_RD0563_01_s _ 2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove century plant from waterward shoulder.					

Photo 1 of 2 : richard_s_20140318_787.jpg



Century plant on waterward shoulder at LM 1.42

LM Start	1.44	Rating **	M	Issue No.	6 (cont)
LM End	1.48	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : richard_s_20140318_788.jpg



Updated view looking upstream at a century plant on waterside shoulder slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.47	Rating **	A/W	Issue No.	30
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224072 °	38.224072 °
				-121.534827 °	-121.534827 °
DWR ID	DWR_RD0563_01_s _ 2012_30				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.54	Rating **	A/W	Issue No.	52
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223700 °	38.223700 °
				-121.536157 °	-121.536157 °
DWR ID	DWR_RD0563_01_s _ 2012_52				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.63	Rating **	A/W	Issue No.	56
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223332 °	38.223332 °
				-121.537635 °	-121.537635 °
DWR ID	DWR_RD0563_01_s _ 2012_56				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.68	Rating **	M	Issue No.	83
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.222967 °	38.222967 °
				-121.540055 °	-121.540055 °
DWR ID	DWR_RD0563_01_s _ 2012_83				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : richard_s_20140318_917.jpg



Looking west at rodent hole on landside slope.

LM Start	1.86	Rating **	M	Issue No.	60
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222702 °	38.222702 °
				-121.541678 °	-121.541678 °
DWR ID	DWR_RD0563_01_s _ 2012_60				
Action/Comments					
Stairway Inspector Comments: Landowner has built a pad on the landside shoulder, 60' x 15', for a metal walkway leading from the house to a pad with a concrete deadman. Landowner also installed a temporary stairway on landside slope and stairway on waterside slope. Electrical conduit on landside toe.					

Photo 1 of 12 : richard_s_20140318_880.jpg



Unauthorized retaining wall on landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	60 (cont)	
LM End	1.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222702 °	38.222702 °	
				-121.541678 °	-121.541678 °	
DWR ID	DWR_RD0563_01_s _ 2012_60					
Action/Comments						
Stairway Inspector Comments: Landowner has built a pad on the landside shoulder, 60' x 15', for a metal walkway leading from the house to a pad with a concrete deadman. Landowner also installed a temporary stairway on landside slope and stairway on waterside slope. Electrical conduit on landside toe.						

Photo 2 of 12 : richard_s_20140318_881.jpg



Looking southeast at top of retaining wall.

Photo 3 of 12 : richard_s_20140318_882.jpg



Looking southeast at earthen pad on landside shoulder covering retaining wall.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	60 (cont)	
LM End	1.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222702 °	38.222702 °	
				-121.541678 °	-121.541678 °	
DWR ID	DWR_RD0563_01_s _ 2012_60					
Action/Comments						
Stairway						

Photo 4 of 12 : richard_s_20140318_883.jpg



Looking west at metal stairs on waterside slope.

LM Start	1.86	Rating **	M	Issue No.	60 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 5 of 12 : richard_s_20140318_884.jpg



Looking northeast metal walkway on landside of levee.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	60 (cont)	
LM End	1.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222702 °	38.222702 °	
				-121.541678 °	-121.541678 °	
DWR ID	DWR_RD0563_01_s _ 2012_60					
Action/Comments						
Stairway						

Photo 6 of 12 : richard_s_20140318_885.jpg



Looking north at deadman for metal walkway on earthen pad on landside shoulder.

LM Start	1.86	Rating **	M	Issue No.	60 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 7 of 12 : richard_s_20140318_886.jpg



Looking east at electrical conduit in trench on landside toe and concrete pad for walkway.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	60 (cont)	
LM End	1.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222702 °	38.222702 °	
				-121.541678 °	-121.541678 °	
DWR ID	DWR_RD0563_01_s _ 2012_60					
Action/Comments						
Stairway						

Photo 8 of 12 : richard_s_20140318_887.jpg



Looking east at metal walkway on landside.

LM Start	1.86	Rating **	M	Issue No.	60 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 9 of 12 : richard_s_20140318_888.jpg



Looking east at deadman on landside shoulder.

LM Start	1.86	Rating **	M	Issue No.	60 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 10 of 12 : richard_s_20140318_889.jpg



Looking southeast at temporary metal stairs on landside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	60 (cont)	
LM End	1.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222702 °	38.222702 °	
				-121.541678 °	-121.541678 °	
DWR ID	DWR_RD0563_01_s _ 2012_60					
Action/Comments						
Stairway						

Photo 11 of 12 : richard_s_20140318_890.jpg



Looking southeast at framing for footings on landside shoulder.

LM Start	1.86	Rating **	M	Issue No.	60 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 12 of 12 : richard_s_20140318_891.jpg



Looking south at retaining wall on landside shoulder. (Updated Spring 2012)

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.90	Rating **	M	Issue No.	142
LM End	1.92	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0563_01_s_2014_142				
Action/Comments					
Landscaping					

Photo 1 of 2 : richard_s_20140328_469.jpg



Looking southwest at oleanders on waterward shoulder.

LM Start	1.90	Rating **	M	Issue No.	142 (cont)
LM End	1.92	Issue Type +	En	Location *	WS

Photo 2 of 2 : richard_s_20140328_470.jpg



Looking southeast at planting box on waterward shoulder.

LM Start	1.98	Rating **	M	Issue No.	96
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222094 °	38.222094 °
				-121.543435 °	-121.543435 °
DWR ID	DWR_RD0563_01_f_2013_96				
Action/Comments					
Prunings					

Photo 1 of 4 : richard_s_20140318_936.jpg



Looking southeast at prunings at landward toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	1.98	Rating **	M	Issue No.	96 (cont)
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222094 °	38.222094 °
				-121.543435 °	-121.543435 °
DWR ID	DWR_RD0563_01_f_2013_96				
Action/Comments					
Prunings					
Inspector Comments: Large pruning pile at landward toe.					

Photo 2 of 4 : richard_s_20140328_471.jpg



Looking south at pruning pile at landward toe.

LM Start	1.98	Rating **	M	Issue No.	96 (cont)
LM End	1.98	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : richard_s_20140328_472.jpg



Looking south at additional pruning piles at landward toe.

LM Start	1.98	Rating **	M	Issue No.	96 (cont)
LM End	1.98	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : richard_s_20140328_473.jpg



Looking north at pruning piles at landward toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	71
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving				°
					°
DWR ID	DWR_RD0563_01_f_2012_71				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : richard_s_20140318_899.jpg



Looking southwest at erosion around irrigation pipe on landside slope and toe.

LM Start	2.00	Rating **	M	Issue No.	71 (cont)
LM End	2.00	Issue Type +	Ma	Location *	LS

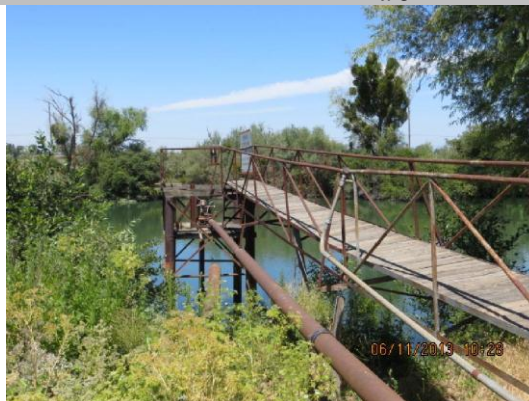
Photo 2 of 2 : richard_s_20140318_900.jpg



Looking west at erosion at landside toe and slope next to pump house.

LM Start	2.00	Rating **	M	Issue No.	114
LM End	2.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221785 °	38.221785 °
				-121.543474 °	-121.543474 °
DWR ID	DWR_RD0563_01_s_2014_114				
Action/Comments					
Inspector Comments: FS_ID:14878					

Photo 1 of 1 : UCIP_1154.jpg



Pump on pile structure with walkway structurally failing. WS berm.

* Location
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.13	Rating **	M	Issue No.	14
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.220028 °	38.218494 °
				-121.542922 °	-121.542646 °
DWR ID	DWR_RD0563_01_s _ 2012_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.23	Rating **	M	Issue No.	15
LM End	2.23	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.218575 °	38.218575 °
				-121.542668 °	-121.542668 °
DWR ID	DWR_RD0563_01_s _ 2012_15				
Action/Comments					
Equipment					
Inspector Comments: Landowner installed metal box around siphon breaker.					

Photo 1 of 1 : richard_s_20140318_800.jpg



Looking south at siphon box installed on waterside shoulder.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.24	Rating **	M	Issue No.	115
LM End	2.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.218534 °	38.218534 °
				-121.542655 °	-121.542655 °
DWR ID	DWR RD0563 01 s 2014 115				

Action/Comments

Inspector Comments: FS_ID:14882

EP_NO: 13311

Repair Type:

Crossing Status:

UCIP Comments: Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee.

FIELD_STRUCT_DESC: 1 of 2: 12-inch pipe through levee 3.0 feet below crown (Permit No. 13311, 1982). Slant pump on WS toe. 36-inch concrete standpipe and pipe works on LS toe. Siphon breaker in 24-inch CMP riser on LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207.

FS Date: 6/11/2013

Photo 1 of 1 : UCIP_1157.jpg



Slant pump and pipe on WS slope.

LM Start	2.24	Rating **	M	Issue No.	33
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218463 °	38.218463 °
				-121.542650 °	-121.542650 °
DWR ID	DWR_RD0563_01_s_2012_33				

Action/Comments

Exterminate rodents and backfill and compact or grout burrows.

Inspector Comments: Rodent holes on landside shoulder.

Photo 1 of 1 : richard_s_20140318_815.jpg



Looking southeast at squirrel holes on landside shoulder.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.37	Rating **	M	Issue No.	66
LM End	12.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.216733 °	38.130665 °
				-121.541672 °	-121.578055 °
DWR ID	DWR_RD0563_01_s _ 2013_66				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	2.44	Rating **	A/W	Issue No.	11
LM End	2.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216242 °	38.216147 °
				-121.540835 °	-121.540612 °
DWR ID	DWR_RD0563_01_s _ 2012_11				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: District is controlling the elderberry.					

Photo 1 of 2 : richard_s_20140318_796.jpg



Looking southeast at elderberry on the landside slope and toe.

Photo 2 of 2 : richard_s_20140318_797.jpg



Look southeast at updated (10/11) view of elderberries on landside slope.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.44	Rating **	M	Issue No.	72
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_f_2012_72				
Action/Comments					
Ramp					

Photo 1 of 1 : richard_s_20140318_901.jpg



Looking south at unauthorized ramp on landside slope.

LM Start	2.46	Rating **	M	Issue No.	12
LM End	2.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216122 °	38.216047 °
				-121.540555 °	-121.540415 °
DWR ID	DWR_RD0563_01_s_2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : richard_s_20140318_798.jpg



Looking southwest at dense elderberry brush on waterside shoulder and slope.

LM Start	2.58	Rating **	M	Issue No.	85
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.215082 °	38.214852 °
				-121.538652 °	-121.538305 °
DWR ID	DWR_RD0563_01_s_2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 4 : richard_s_20140318_919.jpg



Looking west at rodent hole on landside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	85 (cont)
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.215082 °	38.214852 °
				-121.538652 °	-121.538305 °
DWR ID	DWR_RD0563_01_s _ 2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 4 : richard_s_20140318_920.jpg



Looking northeast at rodent holes on landside slope.

LM Start	2.58	Rating **	M	Issue No.	85 (cont)
LM End	2.61	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : richard_s_20140318_921.jpg



Looking southwest at rodent holes on landside slope.

LM Start	2.58	Rating **	M	Issue No.	85 (cont)
LM End	2.61	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : richard_s_20140318_922.jpg



Looking east at rodent hole on landside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.59	Rating **	A/W	Issue No.	20
LM End	2.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215047 °	38.215047 °
				-121.538604 °	-121.538604 °
DWR ID	DWR_RD0563_01_s_2012_20				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.62	Rating **	M	Issue No.	80
LM End	2.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_f_2012_80				
Action/Comments					
Ramp Inspector Comments: Landowner installed unauthorized ramp on landside slope.					

Photo 1 of 2 : richard_s_20140318_914.jpg



Looking southeast at unauthorized ramp on landside slope.

LM Start	2.62	Rating **	M	Issue No.	80 (cont)
LM End	2.62	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140318_915.jpg



Looking east at unauthorized ramp on landside slope.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.64	Rating **	A/W	Issue No.	21
LM End	2.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.214567 °	38.213728 °
				-121.537945 °	-121.537272 °
DWR ID	DWR_RD0563_01_s_2012_21				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	53
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.214133 °	38.211737 °
				-121.537778 °	-121.535436 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013: New rock placed on the levee slope. [2013 Site ID: GEO_9-3_L]					

Photo 1 of 1 : USACE2013A_GEO_9-3_L_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	2.95	Rating **	M	Issue No.	104
LM End	2.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.210966 °	38.210966 °
				-121.534813 °	-121.534813 °
DWR ID	DWR_RD0563_01_f_2013_104				
Action/Comments					
Material					
Inspector Comments: Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.					

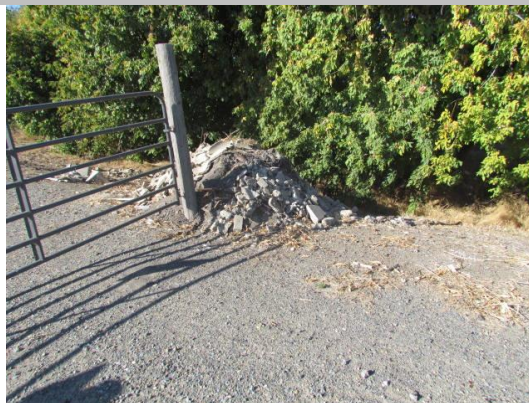
Photo 1 of 2 : richard_s_20140318_939.jpg



Looking east at concrete rubble on landward slope.

LM Start	2.95	Rating **	M	Issue No.	104 (cont)
LM End	2.95	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140318_940.jpg



Looking west at concrete rubble on waterward shoulder and slope.

LM Start	3.00	Rating **	M	Issue No.	67
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210402 °	38.210402 °
				-121.535268 °	-121.535268 °
DWR ID	DWR_RD0563_01_s_2012_67				
Action/Comments					
Remove the wild growth other than native grasses from the levee					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	3.06	Rating **	M	Issue No.	116
LM End	3.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.210209 °	38.210209 °
				-121.536313 °	-121.536313 °
DWR ID	DWR_RD0563_01_s_2014_116				
Action/Comments					
Inspector Comments: FS_ID:14885					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Abandoned and should be done so properly. Need to verify disposition of pipe.					
FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 4.0 feet below crown. Siphon breaker in 24-inch CMP riser on landward shoulder. Open on both ends. Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1159.jpg



24-inch CMP standpipe on LS slope.

LM Start	3.09	Rating **	U	Issue No.	74
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210212 °	38.209165 °
				-121.536728 °	-121.539920 °
DWR ID	DWR_RD0563_01_s_2012_74				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dead berryvines at landside toe blocking view of toe.					

Photo 1 of 2 : richard_s_20140318_904.jpg



Looking southeast at berryvines on landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	3.09	Rating **	U	Issue No.	74 (cont)	
LM End	3.28	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.210212 °	38.209165 °	
				-121.536728 °	-121.539920 °	
DWR ID	DWR_RD0563_01_s _ 2012_74					
Action/Comments						
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead berryvines at landside toe blocking view of toe.						

Photo 2 of 2 : richard_s_20140318_905.jpg



Looking southeast at dead berryvine on landside toe.

LM Start	3.13	Rating **	M	Issue No.	78
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210240 °	38.210240 °
				-121.537517 °	-121.537517 °
DWR ID	DWR_RD0563_01_s _ 2012_78				
Action/Comments					
Repair slope instability.					

Photo 1 of 4 : richard_s_20140318_910.jpg



Looking east at slope erosion cause by runoff on landside slope.

LM Start	3.13	Rating **	M	Issue No.	78 (cont)
LM End	3.13	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : richard_s_20140318_911.jpg



Looking west at slope erosion cause by runoff on landside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	3.13	Rating **	M	Issue No.	78 (cont)	
LM End	3.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.210240 °		38.210240 °
				-121.537517 °		-121.537517 °
DWR ID	DWR_RD0563_01_s _ 2012_78					
Action/Comments						
Repair slope instability.						

Photo 3 of 4 : richard_s_20140318_912.jpg



Looking east at slope erosion. (Updated Spring 2012)

LM Start	3.13	Rating **	M	Issue No.	78 (cont)
LM End	3.13	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : richard_s_20140318_913.jpg



Looking east at slope damage on 10/31/2012, no change in status.

LM Start	3.28	Rating **	U	Issue No.	68
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209217 °	38.209217 °
				-121.539823 °	-121.539823 °
DWR ID	DWR_RD0563_01_s _ 2012_68				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : richard_s_20140318_897.jpg



Looking southeast at dense trees on landside slope and toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	3.28	Rating **	U	Issue No.	68 (cont)
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209217 °	38.209217 °
				-121.539823 °	-121.539823 °
DWR ID	DWR_RD0563_01_s _ 2012_68				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 2 of 2 : richard_s_20140318_898.jpg



Looking south at dense trees on landward slope.

LM Start	3.33	Rating **	M	Issue No.	117
LM End	3.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208674 °	38.208674 °
				-121.540280 °	-121.540280 °
DWR ID	DWR_RD0563_01_s _ 2014_117				
Action/Comments					
Inspector Comments: FS_ID:14887					
EP_NO: 12708					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe heavily corroded. Good candidate for viewo inspection.					
FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through levee 3.0 feet below crown. Slant pump and gate valve on waterward side. 9'X7' concrete distribution box on LS toe. Service pole on landward shoulder (Permit No. 12708, 1980). Replaced 8-inch pipe under Permit No. 11211 and 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1160.jpg



Pump and walkway on WS.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	3.50	Rating **	M	Issue No.	84
LM End	3.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0563_01_f_2012_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation at landward toe.					

Photo 1 of 2 : richard_s_20140318_918.jpg



Looking southeast at dense berryvines on landward toe.

LM Start	3.50	Rating **	M	Issue No.	84 (cont)
LM End	3.50	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140328_474.jpg



Looking southeast at dead berryvines on landward toe.

LM Start	4.00	Rating **	M	Issue No.	51
LM End	4.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.200733 °	38.199925 °
				-121.542571 °	-121.544249 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Narrow eroding berm upstream of existing					

Photo 1 of 1 : USACE2013A_GEO_8-3_L_6.jpg



USACE 2013 Photo #1

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	4.05	Rating **	M	Issue No.	17
LM End	4.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.200238 °	38.198830 °
				-121.543308 °	-121.544913 °
DWR ID	DWR_RD0563_01_s _ 2013_17				
Action/Comments					
Ditch					

Photo 1 of 2 : richard_s_20140318_802.jpg



Looking southwest at irrigation ditch on landward toe.

LM Start	4.05	Rating **	M	Issue No.	17 (cont)
LM End	4.19	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140318_803.jpg



Looking northeast at irrigation ditch on landward toe.

LM Start	4.33	Rating **	M	Issue No.	118
LM End	4.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.197004 °	38.197004 °
				-121.546162 °	-121.546162 °
DWR ID	DWR_RD0563_01_s _ 2014_118				
Action/Comments					
Inspector Comments: FS_ID:14923					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	4.35	Rating **	M	Issue No.	119
LM End	4.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196725 °	38.196725 °
				-121.546310 °	-121.546310 °
DWR ID	DWR_RD0563_01_s_2014_119				
Action/Comments					
Inspector Comments: FS_ID:16244					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown.					
FIELD_STRUCT_DESC: 4.5-inch gas line through the levee at an unknown depth below the crown. Cut in pavement and Pipe visible on WS toe.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1434.jpg



Pipe visible on WS toe.

LM Start	4.48	Rating **	M	Issue No.	93
LM End	4.70	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				
DWR ID	DWR_RD0563_01_f_2012_93				
Action/Comments					
Ditch					
Inspector Comments: Ditch at landside toe should be removed.					

Photo 1 of 1 : richard_s_20140318_934.jpg



Looking south at irrigation ditch at landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	4.73	Rating **	M	Issue No.	88
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193078 °	38.193078 °
				-121.551047 °	-121.551047 °
DWR ID	DWR_RD0563_01_s _ 2012_88				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : richard_s_20140318_925.jpg



Looking south at dense trees on landside slope and toe.

LM Start	4.85	Rating **	M	Issue No.	120
LM End	4.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.191864 °	38.191864 °
				-121.552606 °	-121.552606 °
DWR ID	DWR_RD0563_01_s _ 2014_120				
Action/Comments					
Inspector Comments: FS_ID:14927					
EP_NO: 11205					
Repair Type:					
Crossing Status:					
UCIP Comments: Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder.					
FIELD_STRUCT_DESC: 4 of 5: 10-inch pipe through levee 3.8 feet below crown. Siphon breaker on landward shoulder. Slant pump off WS toe. Booster and filter station off LS toe. Abandoned concrete distribution box at LS toe. 1-inch galvanized iron electrical conduit at same location (ABO No.11205, 1971). Originally included in the 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1164.jpg



Pipe, distribution box, JP, electrical conduit, and booster/filter system on LS.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	5.04	Rating **	M	Issue No.	49
LM End	5.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.190073 °	38.189524 °
				-121.556307 °	-121.557227 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2013: No observed changes. [2013 Site ID: GEO 7-2 L]					

Photo 1 of 1 : USACE2013A_GEO_7-2_L_6.jpg



USACE 2013 Photo #1

LM Start	5.26	Rating **	U	Issue No.	48
LM End	5.44	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.188216 °	38.185968 °
				-121.558442 °	-121.561667 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Deep pockets of erosion into a narrow berm just downstream of the rock. 2000 - Scallops in banks with small colored flags, some new biotech rolls in with older rolls in the scallops. 2001 - Staked , low fascine walls at the bankline. 2011 - Site upgraded to CRITICAL. Site extended upstream due to new erosion pocket. New tree popouts and new erosion. 2013: Pipe observed at upstream end of site. [2013 Site ID: GEO_6-8_L]					

Photo 1 of 1 : USACE2013A_GEO_6-8_L_8.jpg



USACE 2013 Photo #1

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	5.28	Rating **	M	Issue No.	121
LM End	5.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187938 °	38.187938 °
				-121.558495 °	-121.558495 °
DWR ID	DWR_RD0563_01_s_2014_121				
Action/Comments					
Inspector Comments: FS_ID:14943					
EP_NO: 11205					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to verify wether or not pipe has been abandoned.					
FIELD_STRUCT_DESC: 5 of 5: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward end. Siphon breaker on landward shoulder. (ABO No. 11205, 1971). Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover, reinforced concrete spillbox.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1169.jpg



Distribution box and 24-inch CMP riser on LS slope.

LM Start	5.51	Rating **	M	Issue No.	24
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.185772 °	38.185595 °
				-121.561613 °	-121.562228 °
DWR ID	DWR_RD0563_01_s_2013_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	5.61	Rating **	M	Issue No.	46
LM End	6.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.185479 °	38.181359 °
				-121.563296 °	-121.576292 °
DWR ID					

Action/Comments

Inspector Comments: 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1. 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2013: No observed changes. [2013 Site ID: GEO_6-3_L]

Photo 1 of 1 : USACE2013A_GEO_6-3_L_13.jpg



USACE 2013 Photo #1

LM Start	6.00	Rating **	M	Issue No.	122
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182398 °	38.182398 °
				-121.569078 °	-121.569078 °
DWR ID	DWR_RD0563_01_s_2014_122				

Action/Comments

Inspector Comments: FS_ID:16289
EP_NO: 1826
Repair Type:
Crossing Status:
UCIP Comments: Pipe abandoned and should be done so properly.
FIELD_STRUCT_DESC: 2-inch discharge pipe through levee 2.7 feet below crown (Permit No. 1826, 1959).
FS Date: 6/11/2013

Photo 1 of 1 : UCIP_1444.jpg



Pipe visible on LS slope.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.01	Rating **	M	Issue No.	123
LM End	6.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182333 °	38.182333 °
				-121.569193 °	-121.569193 °
DWR ID	DWR_RD0563_01_s_2014_123				
Action/Comments					
Inspector Comments: FS_ID:14949					
EP_NO: 11206					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward side. Siphon breaker on landward shoulder. 7'X9' concrete distribution box at LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1171.jpg



Pipe at WS toe.

LM Start	6.04	Rating **	U	Issue No.	22
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s_2012_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Large cactus on landward slope.					

Photo 1 of 2 : richard_s_20140318_806.jpg



Large cactus plant on landward slope from LM 6.04 to 6.08

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.04	Rating **	U	Issue No.	22 (cont)
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s _ 2012_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Large cactus on landward slope.					

Photo 2 of 2 : richard_s_20140318_807.jpg



Looking at north end of cactus on the landside slope.

LM Start	6.09	Rating **	M	Issue No.	35
LM End	6.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181732 °	38.181732 °
				-121.570524 °	-121.570524 °
DWR ID	DWR_RD0563_01_s _ 2012_35				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	6.10	Rating **	M	Issue No.	94
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				o
					o
DWR ID	DWR_RD0563_01_f _ 2012_94				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.13	Rating **	A/W	Issue No.	70
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181503 °	38.181503 °
				-121.571263 °	-121.571263 °
DWR ID	DWR_RD0563_01_s _ 2012_70				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	6.14	Rating **	M	Issue No.	124
LM End	6.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181477 °	38.181477 °
				-121.571417 °	-121.571417 °
DWR ID	DWR_RD0563_01_s _ 2014_124				
Action/Comments					
Inspector Comments: FS_ID:14950					
EP_NO: 11206					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe.					
FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee 4.8 feet below the crown. Vent/filler pipe on LS shoulder.					
7'X9' concrete distribution box on LS toe (ABO No. 11206, 1971).					
Originally included in 1954 O&M manual with the description 2" air and primer valve, reinforced concrete spillbox.					
FS Date: 6/11/2013					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.20	Rating **	M	Issue No.	125
LM End	6.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181347 °	38.181347 °
				-121.572459 °	-121.572459 °
DWR ID	DWR RD0563 01 s 2014 125				

Action/Comments

Inspector Comments: FS_ID:14963

EP_NO: 11200

Repair Type:

Crossing Status:

UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch.

FIELD_STRUCT_DESC: 18-inch steel conduit through the levee 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in 24-inch CMP riser on LS shoulder. Air vent on pipe LS slope. Slide gate at booster/filter plant off LS toe (ABO No. 11200, 1971). Originally included in the 1954 O&M manual stating the pipe was plugged.

FS Date: 6/11/2013

Photo 1 of 1 : UCIP_1177.jpg



Vent/filler pipe on LS slope.

LM Start	6.39	Rating **	M	Issue No.	45
LM End	6.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.180462 °	38.179319 °
				-121.577895 °	-121.578566 °
DWR ID					

Action/Comments

Inspector Comments: 2013: Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes. [2013 Site ID: GEO_5-8_L]

Photo 1 of 1 : USACE2013A_GEO_5-8_L_4.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.39	Rating **	M	Issue No.	23
LM End	6.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181273 °	38.181165 °
				-121.575873 °	-121.576217 °
DWR ID	DWR_RD0563_01_s _ 2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140328_475.jpg



Looking south at trees on landward shoulder.

LM Start	6.60	Rating **	U	Issue No.	25
LM End	6.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.179250 °	38.177533 °
				-121.578347 °	-121.579087 °
DWR ID	DWR_RD0563_01_s _ 2012_25				
Action/Comments					
Landscaping					

Photo 1 of 1 : richard_s_20140318_808.jpg



Looking southeast at dense landscaping on landside shoulder and slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.71	Rating **	M	Issue No.	126
LM End	6.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.177779 °	38.177779 °
				-121.578995 °	-121.578995 °
DWR ID	DWR_RD0563_01_s_2014_126				
Action/Comments					
Inspector Comments: FS_ID:14966					
EP_NO: 11201					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through levee 4.7 feet					
below crown. Pump and gate valve on waterward berm. 4-foot					
diameter concrete standpipe on LS toe. Y-ramp on waterward slope					
(ABO No. 11201, 1971). Originally included in the 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1182.jpg



No connection to pump on WS shoulder.

LM Start	6.72	Rating **	U	Issue No.	145
LM End	6.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0563_01_s_2014_145				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation blocking view of landward toe.					

Photo 1 of 2 : richard_s_20140328_476.jpg



Looking north at dense dead berryvines at landward toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.72	Rating **	U	Issue No.	145 (cont)		
LM End	6.80	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation				°		°
					°		°
DWR ID	DWR_RD0563_01_s _ 2014_145						
Action/Comments							
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation blocking view of landward toe.							

Photo 2 of 2 : richard_s_20140328_477.jpg



Looking south at dense dead berryvines at landward toe.

LM Start	6.78	Rating **	M	Issue No.	44
LM End	7.44	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.176861 °	38.167959 °
				-121.579747 °	-121.581616 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2013: No observed changes. [2013 Site ID: GEO_5-3_L]					

Photo 1 of 1 : USACE2013A_GEO_5-3_L_2.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.81	Rating **	M	Issue No.	127
LM End	6.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.176465 °	38.176465 °
				-121.579615 °	-121.579615 °
DWR ID	DWR_RD0563_01_s_2014_127				
Action/Comments					
Inspector Comments: FS_ID:14967					
EP_NO: 11202					
Repair Type:					
Crossing Status:					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch pipe through the levee 4.5 feet below crown. Vent/filler pipe in 24-inch CMP riser on landward shoulder and a 7'X9' concrete distribution box on LS toe (ABO No. 11202, 1971).					
Originally included in the 1954 O&M manual.					
FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_1188.jpg



Steel walkway support for pipe on WS toe.

LM Start	6.87	Rating **	M	Issue No.	105
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175444 °	38.175444 °
				-121.580054 °	-121.580054 °
DWR ID	DWR_RD0563_01_f_2013_105				
Action/Comments					
Tree or limb					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.90	Rating **	U	Issue No.	27
LM End	6.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.175190 °	38.174610 °
				-121.580035 °	-121.579948 °
DWR ID	DWR_RD0563_01_s _ 2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : richard_s_20140318_810.jpg



Side view of dense trees along landside slope and shoulder.

LM Start	6.90	Rating **	U	Issue No.	27 (cont)
LM End	6.94	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140318_811.jpg



Front view of dense trees along landside shoulder and slope.

LM Start	6.94	Rating **	M	Issue No.	75
LM End	7.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174598 °	38.173560 °
				-121.579972 °	-121.579725 °
DWR ID	DWR_RD0563_01_s _ 2013_75				
Action/Comments					
Landscaping					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	6.97	Rating **	M	Issue No.	82
LM End	6.97	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174235 °	38.174235 °
				-121.579898 °	-121.579898 °
DWR ID	DWR_RD0563_01_s _ 2012_82				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree branch on waterward slope.					

Photo 1 of 1 : richard_s_20140318_916.jpg



Looking south at tree limbs on waterward slope.

LM Start	7.04	Rating **	M	Issue No.	87
LM End	7.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173323 °	38.173323 °
				-121.579628 °	-121.579628 °
DWR ID	DWR_RD0563_01_s _ 2013_87				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	7.10	Rating **	M	Issue No.	95
LM End	7.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_f _ 2012_95				
Action/Comments					
Prunings					
Inspector Comments: Prunings should be burned or removed from waterward slope.					

Photo 1 of 1 : richard_s_20140318_935.jpg



Looking southwest at prunings on waterward slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.19	Rating **	M	Issue No.	128
LM End	7.19	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.171156 °	38.171156 °
				-121.579756 °	-121.579756 °
DWR ID	DWR_RD0563_01_s_2014_128				
Action/Comments					
Inspector Comments: FS_ID:14968					
EP_NO: 11214					
Repair Type:					
Crossing Status:					
UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm.					
FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Siphon breaker on waterward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual with the description 1" air and primer valve, reinforced concrete spillbox.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1191.jpg



Steel parts on LS toe may indicate location of distribution box.

LM Start	7.52	Rating **	M	Issue No.	146
LM End	7.52	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0563_01_s_2014_146				
Action/Comments					
Garbage					

Photo 1 of 1 : richard_s_20140328_478.jpg



Looking west at garbage on waterward slope and toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.52	Rating **	M	Issue No.	129
LM End	7.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.166832 °	38.166832 °
				-121.582112 °	-121.582112 °
DWR ID	DWR_RD0563_01_s_2014_129				
Action/Comments					
Inspector Comments: FS_ID:14971					
EP_NO: 11214					
Repair Type:					
Crossing Status:					
UCIP Comments: Good candidate for video inspection.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee 0.5-feet below the crown. Vent and filler pipe on landward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1192.jpg



Pipe, vent, and filler valve on LS shoulder.

LM Start	7.64	Rating **	U	Issue No.	43
LM End	7.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.164462 °	38.160888 °
				-121.583092 °	-121.584807 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2013: No observed changes. [2013 Site ID: GEO_4-5_L]					

Photo 1 of 1 : USACE2013A_GEO_4-5_L_11.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.66	Rating **	M	Issue No.	89
LM End	7.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164927 °	38.164927 °
				-121.582680 °	-121.582680 °
DWR ID	DWR_RD0563_01_s _ 2012_89				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree branch on waterside slope.					

Photo 1 of 1 : richard_s_20140318_926.jpg



Looking southwest at downed limbs on waterside slope.

LM Start	7.79	Rating **	M	Issue No.	97
LM End	7.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.163240 °	38.163240 °
				-121.583328 °	-121.583328 °
DWR ID	DWR_RD0563_01_s _ 2013_97				
Action/Comments					
Repair slope instability.					
Inspector Comments: Minor erosion on landside shoulder and slope.					

Photo 1 of 1 : richard_s_20140318_937.jpg



Looking east at slope erosion on landward shoulder and slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.89	Rating **	M	Issue No.	130
LM End	7.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.161872 °	38.161872 °
				-121.584109 °	-121.584109 °
DWR ID	DWR_RD0563_01_s_2014_130				
Action/Comments					
Inspector Comments: FS_ID:16304					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Slight depression in crown along pipe alignment may be indication of pipe internal failure. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 14-inch pipe through levee 5.1 feet below crown. Originally included in the 1954 O&M manual.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1448.jpg



Pipe visible on WS toe.

LM Start	7.91	Rating **	M	Issue No.	29
LM End	7.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.161607 °	38.161092 °
				-121.584258 °	-121.584470 °
DWR ID	DWR_RD0563_01_s_2012_29				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.97	Rating **	M	Issue No.	90
LM End	8.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160800 °	38.160487 °
				-121.584598 °	-121.584717 °
DWR ID	DWR_RD0563_01_s _ 2012_90				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Berryvines and willows on landside toe.					

Photo 1 of 4 : richard_s_20140318_927.jpg



Looking northeast at dense vegetation on landside toe.

Photo 2 of 4 : richard_s_20140318_928.jpg



Looking southwest at dense vegetation on landside toe.

Photo 3 of 4 : richard_s_20140318_929.jpg



Looking northeast at dense vegetation on landside toe. (2012 Fall Inspection)

LM Start	7.97	Rating **	M	Issue No.	90 (cont)
LM End	8.10	Issue Type +	Ma	Location *	LS

LM Start	7.97	Rating **	M	Issue No.	90 (cont)
LM End	8.10	Issue Type +	Ma	Location *	LS

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	7.97	Rating **	M	Issue No.	90 (cont)	
LM End	8.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.160800 °	38.160487 °	
				-121.584598 °	-121.584717 °	
DWR ID	DWR_RD0563_01_s _ 2012_90					
Action/Comments						
Remove the wild growth other than native grasses from the levee						

Photo 4 of 4 : richard_s_20140318_930.jpg



Looking south at dense vegetation on landside toe. (2012 Fall)

LM Start	8.05	Rating **	M	Issue No.	42
LM End	8.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.160261 °	38.157625 °
				-121.585056 °	-121.586543 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013: Some of the downstream end was repaired by the RD. [2013 Site ID: GEO_4-3_L]					

Photo 1 of 1 : USACE2013A_GEO_4-3_L_10.jpg



USACE 2013 Photo #1

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	8.09	Rating **	C	Issue No.	92
LM End	8.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.145994 °	38.147537 °
				-121.600581 °	-121.599433 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Upgraded to full erosion site. Small scour pockets and mid slope wave wash. 2010 - New rock and freshly fallen trees. 2011 - Site upgraded to CRITICAL. Significant new erosion. Rotational failures for the full height of the levee. 2012 - Some rock has been placed in last year, however the site remains critical. 2013: Site repaired by the RD. [2013 Site ID: GEO_2-0_L]					

No Photos

LM Start	8.09	Rating **	M	Issue No.	131
LM End	8.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159207 °	38.159207 °
				-121.585304 °	-121.585304 °
DWR ID	DWR_RD0563_01_s_2014_131				
Action/Comments					
Inspector Comments: FS_ID:16263					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine disposition of all gas lines in this immediate area.					
FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1439.jpg



Sign on WS shoulder.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	8.09	Rating **	M	Issue No.	132
LM End	8.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159148 °	38.159148 °
				-121.585329 °	-121.585329 °
DWR ID	DWR_RD0563_01_s _ 2014_132				
Action/Comments					
Inspector Comments: FS_ID:16265					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine disposition of all gaslines in this immediate area.					
FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown.					
FS Date: 6/13/2013					

No Photos

LM Start	8.28	Rating **	M	Issue No.	41
LM End	8.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.156987 °	38.152919 °
				-121.587427 °	-121.591129 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013: Site no longer critical. The worst pockets were filled with rock by the local RD. [2013 Site ID: GEO_3-8_L]					

Photo 1 of 1 : USACE2013A_GEO_3-8_L_16.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	8.30	Rating **	M	Issue No.	133
LM End	8.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.156884 °	38.156884 °
				-121.587464 °	-121.587464 °
DWR ID	DWR_RD0563_01_s_2014_133				
Action/Comments					
Inspector Comments: FS_ID:14988					
EP_NO: 9145					
Repair Type:					
Crossing Status:					
UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch pipe through levee 3.0 feet below crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on LS shoulder with and a slide gate in a 48-inch steel standpipe on the LS toe (ABO No. 9145, 1973). Originally included in the 1954 O&M manual.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1194.jpg



Pipe visible on WS toe.

LM Start	8.52	Rating **	M	Issue No.	31
LM End	8.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.156453 °	38.155005 °
				-121.591218 °	-121.591640 °
DWR ID	DWR_RD0563_01_s_2012_31				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	8.64	Rating **	M	Issue No.	134
LM End	8.64	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.154648 °	38.154648 °	
			-121.591609 °	-121.591609 °	

Photo 1 of 1 : UCIP_1197.jpg



DWR ID	DWR_RD0563_01_s_2014_134
Action/Comments	
Inspector Comments: FS_ID:14990	
EP_NO: 11217	
Repair Type:	
Crossing Status:	
UCIP Comments: Pipe appears abandoned and should be done so properly.	
FIELD_STRUCT_DESC: 1 of 11: 12-inch steel irrigation siphon pipe through the levee 3.6 feet below the crown. Vent/filler pipe on the landward shoulder and a slide gate in a 7'X9' concrete distribution box on LS toe (ABO No. 11217, 1971). Originally included in 1954 O&M manual.	
FS Date: 6/13/2013	

7'X9' concrete distribution box on LS toe.

LM Start	9.05	Rating **	M	Issue No.	135
LM End	9.05	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.150420 °	38.150420 °	
			-121.586840 °	-121.586840 °	

Photo 1 of 1 : UCIP_1446.jpg



DWR ID	DWR_RD0563_01_s_2014_135
Action/Comments	
Inspector Comments: FS_ID:16292	
EP_NO: 11217	
Repair Type:	
Crossing Status:	
UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken.	
FIELD_STRUCT_DESC: 3 of 11: 14-inch pipe through the levee 4.2 feet below the crown. Vent/filler pipe on landward shoulder. Slide gate in 7'X9' concrete distribution box on LS toe (ABO No.11217, 1971). Originally included in the 1954 O&M manual.	
FS Date: 6/13/2013	

Concrete distribution box at LS toe.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	9.42	Rating **	M	Issue No.	37
LM End	9.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.146164 °	38.145913 °
				-121.587538 °	-121.588193 °
DWR ID	DWR_RD0563_01_s _ 2012_37				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.42	Rating **	M	Issue No.	106
LM End	9.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.145909 °	38.145909 °
				-121.588198 °	-121.588198 °
DWR ID	DWR_RD0563_01_f _ 2013_106				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	9.45	Rating **	M	Issue No.	98
LM End	9.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145825 °	38.145825 °
				-121.588807 °	-121.588807 °
DWR ID	DWR_RD0563_01_s _ 2013_98				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	9.50	Rating **	U	Issue No.	73
LM End	9.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.145957 °	38.145957 °
				-121.589653 °	-121.589653 °
DWR ID	DWR_RD0563_01_s _ 2012_73				
Action/Comments					
Prunings					
Inspector Comments: Large pruning pile on landward toe.					

Photo 1 of 2 : richard_s_20140318_902.jpg



Looking east at prunings on landside slope and toe.

LM Start	9.50	Rating **	U	Issue No.	73 (cont)
LM End	9.50	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140318_903.jpg



Looking east at prunings on landward slope. (Spring 2013)

LM Start	9.74	Rating **	M	Issue No.	136
LM End	9.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.148741 °	38.148741 °
				-121.592048 °	-121.592048 °
DWR ID	DWR_RD0563_01_s _ 2014_136				
Action/Comments					
Inspector Comments: FS_ID:16268					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	9.74	Rating **	M	Issue No.	40
LM End	9.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.150820 °	38.150647 °
				-121.593650 °	-121.596858 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013: Some rock added to the upstream end by the local RD. [2013 Site ID: GEO 2-5 L]					

Photo 1 of 1 : USACE2013A_GEO_2-5_L_10.jpg



USACE 2013 Photo #1

LM Start	9.81	Rating **	M	Issue No.	36
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.149790 °	38.149790 °
				-121.592788 °	-121.592788 °
DWR ID	DWR_RD0563_01_s _ 2012_36				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	9.83	Rating **	M	Issue No.	99
LM End	9.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.149905 °	38.149905 °
				-121.592910 °	-121.592910 °
DWR ID	DWR_RD0563_01_s _ 2013_99				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : richard_s_20140328_479.jpg



Looking north at minor erosion on landward shoulder and slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	9.83	Rating **	M	Issue No.	99 (cont)	
LM End	9.83	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.149905 °	38.149905 °	
				-121.592910 °	-121.592910 °	
DWR ID	DWR_RD0563_01_s _ 2013_99					
Action/Comments						
Note and monitor erosion site.						

Photo 2 of 2 : richard_s_20140328_480.jpg



Looking west at minor erosion on landward shoulder and slope.

LM Start	10.00	Rating **	A/W	Issue No.	947
LM End	10.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.150943 °	38.150943 °
				-121.595488 °	-121.595488 °
DWR ID	DWR_RD0563_01_s _ 2012_947				
Action/Comments					
Prunings					

No Photos

LM Start	10.46	Rating **	M	Issue No.	39
LM End	10.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.143519 °	38.139918 °
				-121.599677 °	-121.596986 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012 - Some rock has been placed in last year. 2013: No observed changes. [2013 Site ID: GEO_1-7_L]					

Photo 1 of 1 : USACE2013A_GEO_1-7_L_3.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	10.77	Rating **	U	Issue No.	76
LM End	10.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940 °	38.141940 °
				-121.598033 °	-121.598033 °
DWR ID	DWR_RD0563_01_s _ 2012_76				
Action/Comments					
Repair slope instability. Inspector Comments: Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : richard_s_20140318_906.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

LM Start	10.77	Rating **	U	Issue No.	76 (cont)
LM End	10.77	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : richard_s_20140318_907.jpg



Looking west at depression on landside shoulder and slope.

LM Start	10.77	Rating **	U	Issue No.	76 (cont)
LM End	10.77	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : richard_s_20140318_908.jpg



Looking west at depression on landside shoulder and slope from landside toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	10.77	Rating **	U	Issue No.	76 (cont)
LM End	10.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940 °	38.141940 °
				-121.598033 °	-121.598033 °
DWR ID	DWR_RD0563_01_s _ 2012_76				
Action/Comments					
Repair slope instability.					

Photo 4 of 4 : richard_s_20140318_909.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

LM Start	10.82	Rating **	M	Issue No.	77
LM End	10.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.141362 °	38.141362 °
				-121.597598 °	-121.597598 °
DWR ID	DWR_RD0563_01_s _ 2012_77				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : richard_s_20140328_483.jpg



Looking at typical rodent holes on landward slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	11.17	Rating **	M	Issue No.	137
LM End	11.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.136937 °	38.136937 °
				-121.594521 °	-121.594521 °
DWR ID	DWR_RD0563_01_s _ 2014_137				
Action/Comments					
Inspector Comments: FS_ID:15002					
EP_NO: 11217					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe does not have appropriate clearance at Levee crown.					
FIELD_STRUCT_DESC: 9 of 11: 16-inch steel irrigation siphon pipe through the levee 1-foot below the crown. Air vent/filler pipe on LS shoulder. Slide gate in 5-foot diameter steel standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1203.jpg



Vent/filler on pipe at LS shoulder.

LM Start	11.37	Rating **	A/W	Issue No.	952
LM End	11.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.133556 °	38.132462 °
				-121.590641 °	-121.589452 °
DWR ID	DWR_RD0563_01_s _ 2012_952				
Action/Comments					
Prunings					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	11.49	Rating **	U	Issue No.	100
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.134880 °	38.130448 °
				-121.592180 °	-121.587087 °
DWR ID	DWR_RD0563_01_s _ 2013_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild rose or grape vines on landward slope and toe.					

Photo 1 of 2 : richard_s_20140328_484.jpg



Looking south at dense vegetation at landward toe.

LM Start	11.49	Rating **	U	Issue No.	100 (cont)
LM End	12.04	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140328_485.jpg



Looking south at additional dense vegetation at landward toe.

* Location
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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	11.63	Rating **	M	Issue No.	91
LM End	11.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.131943 °	38.131943 °
				-121.588912 °	-121.588912 °
DWR ID	DWR_RD0563_01_s _ 2012_91				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 3 : richard_s_20140318_931.jpg



Looking east at rodent hole on landside slope.

LM Start	11.63	Rating **	M	Issue No.	91 (cont)
LM End	11.63	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : richard_s_20140318_932.jpg



Looking south at rodent holes on landside slope.

LM Start	11.63	Rating **	M	Issue No.	91 (cont)
LM End	11.63	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : richard_s_20140318_933.jpg



Looking west at rodent hole on landside slope.

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	11.69	Rating **	M	Issue No.	38
LM End	11.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.131126 °	38.129948 °
				-121.588337 °	-121.585026 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion pockets into the levee toe. 1999 -					

Photo 1 of 1 : USACE2013A_GEO_0-3_L_16.jpg



USACE 2013 Photo #1

LM Start	11.95	Rating **	M	Issue No.	138
LM End	11.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130291 °	38.130291 °
				-121.583981 °	-121.583981 °
DWR ID	DWR_RD0563_01_s_2014_138				
Action/Comments					
Inspector Comments: FS_ID:15004					
EP_NO: 11217					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 11 of 11: 12-inch steel irrigation siphon pipe through the levee 4.5 feet below the crown. Air vent on landward shoulder and slide gate in 7'X9' concrete distribution box at LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1206.jpg



Vent and distribution box visible on LS.

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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	12.08	Rating **	A/W	Issue No.	954
LM End	12.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130607 °	38.130607 °
				-121.581710 °	-121.581710 °
DWR ID	DWR_RD0563_01_s _ 2012_954				
Action/Comments					
Prunings					

No Photos

LM Start	12.19	Rating **	M	Issue No.	139
LM End	12.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130730 °	38.130730 °
				-121.579616 °	-121.579616 °
DWR ID	DWR_RD0563_01_s _ 2014_139				
Action/Comments					
Inspector Comments: FS_ID:15028					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Verify pipe is properly abandoned.					
FIELD_STRUCT_DESC: 1 of 2: *Removed* 36-inch pipe through the levee 4-feet below the crown. Shut-off valve at pump. Pipe visible on WS at headwall. Originally included in the 1954 O&M manual.					
Replaced by a 30-inch pipe under Permit No. 2635.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1207.jpg



Pipe at concrete headwall on WS slope.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	03/25/2014 03/26/2014	Richard Willoughby

LM Start	12.21	Rating **	M	Issue No.	107
LM End	12.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130776 °	38.130776 °
				-121.579063 °	-121.579063 °
DWR ID	DWR_RD0563_01_f_2013_107				
Action/Comments					
Garbage					

Photo 1 of 1 : richard_s_20140328_486.jpg



Looking southwest at garbage at waterward slope and toe.

LM Start	12.23	Rating **	M	Issue No.	47
LM End	12.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130758 °	38.130758 °
				-121.579027 °	-121.579027 °
DWR ID	DWR_RD0563_01_s_2012_47				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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